



Matter is anything that has mass and takes up space. Because there are so many types of matter, it is helpful to use a classification system to categorize the types of matter. The following diagram represents a common type of classification system used for matter.



MATTER

takes up space and has mass

PURE SUBSTANCE

matter with definite composition

ELEMENT
one kind of
atom

COMPOUND two or
more kinds of atoms
chemically combined

MIXTURE

matter with indefinite composition

HOMOGENEOUS well mixed
- the best mixed is found in
solution

HETEROGENEOUS unevenly
mixed; individual particles can be
seen



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